

FIGURE 1

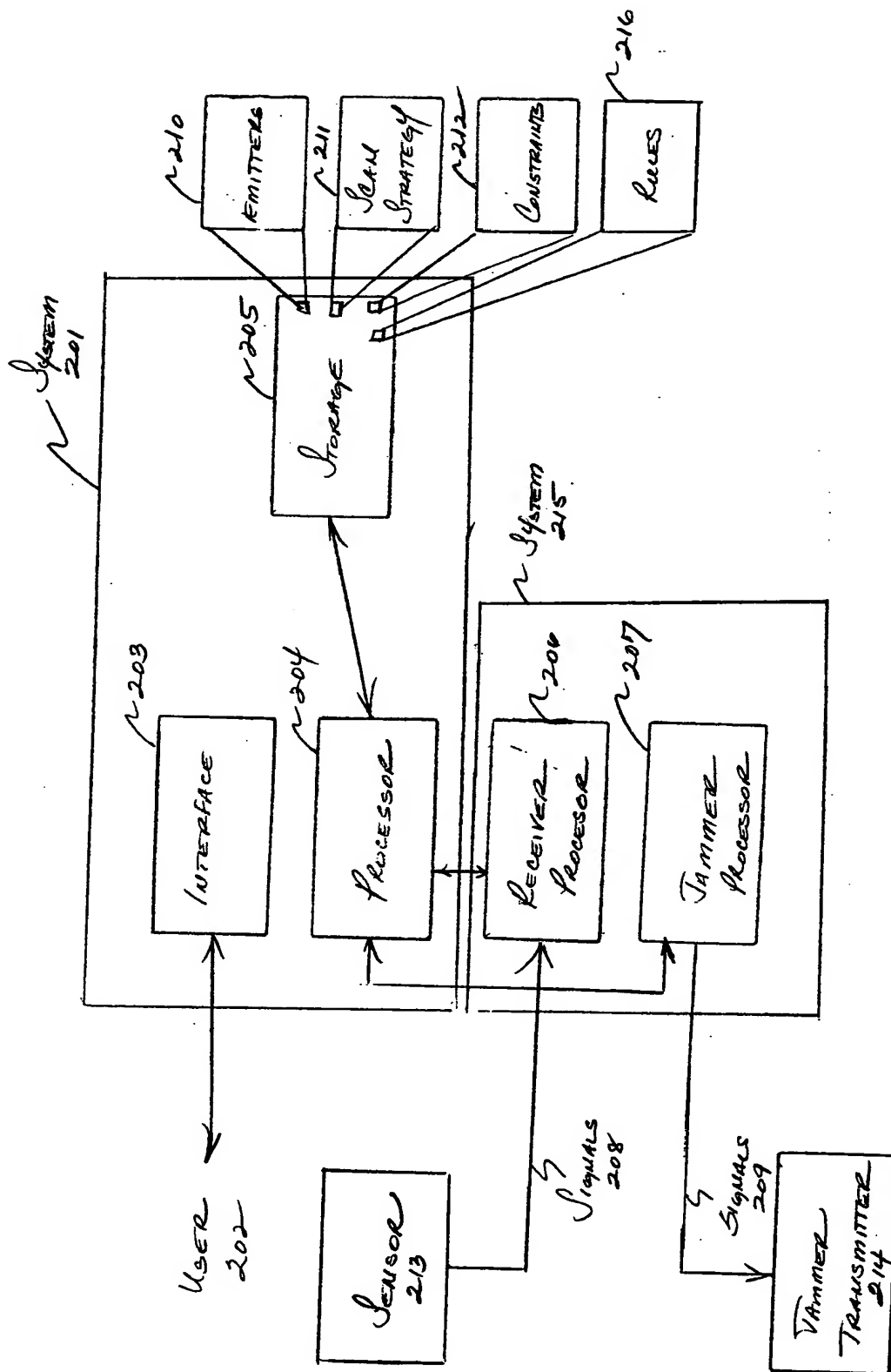
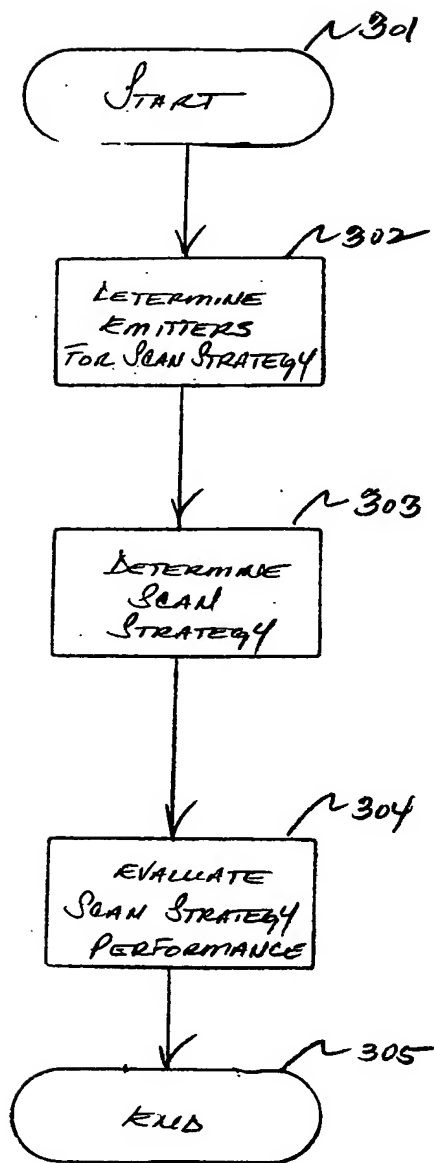


Figure 2



PROCESS
300

FIGURE 3

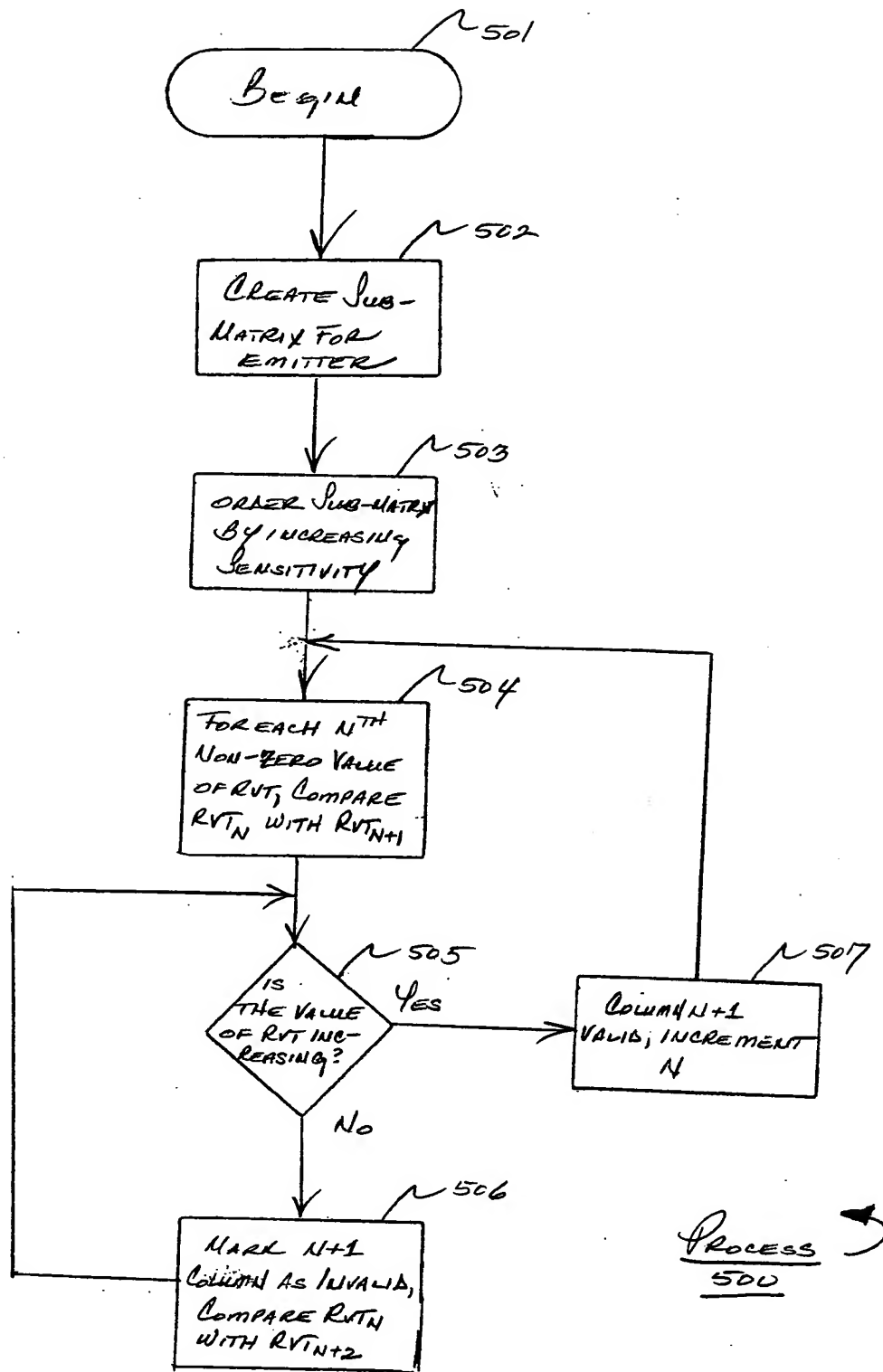


FIGURE 5

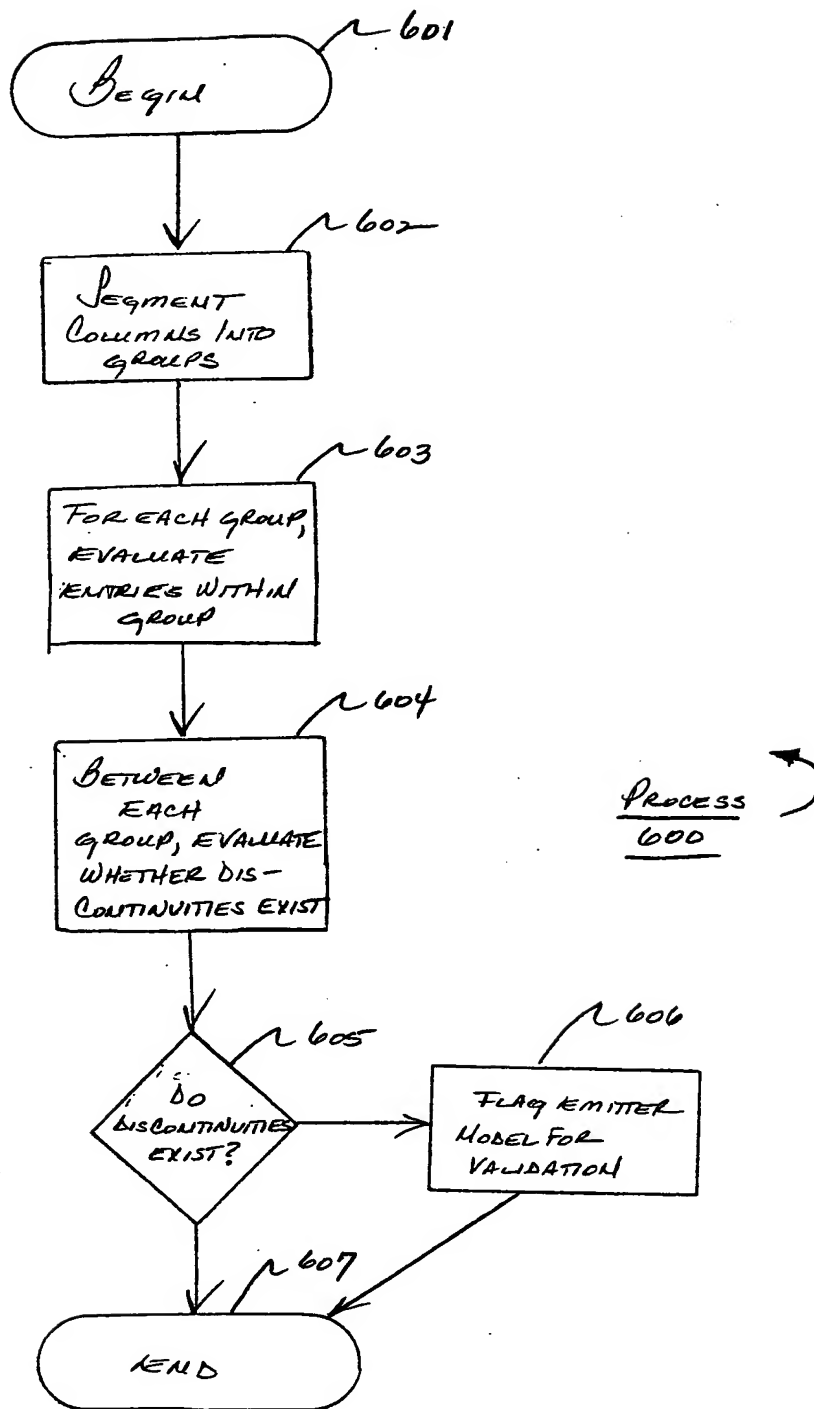


FIGURE 6

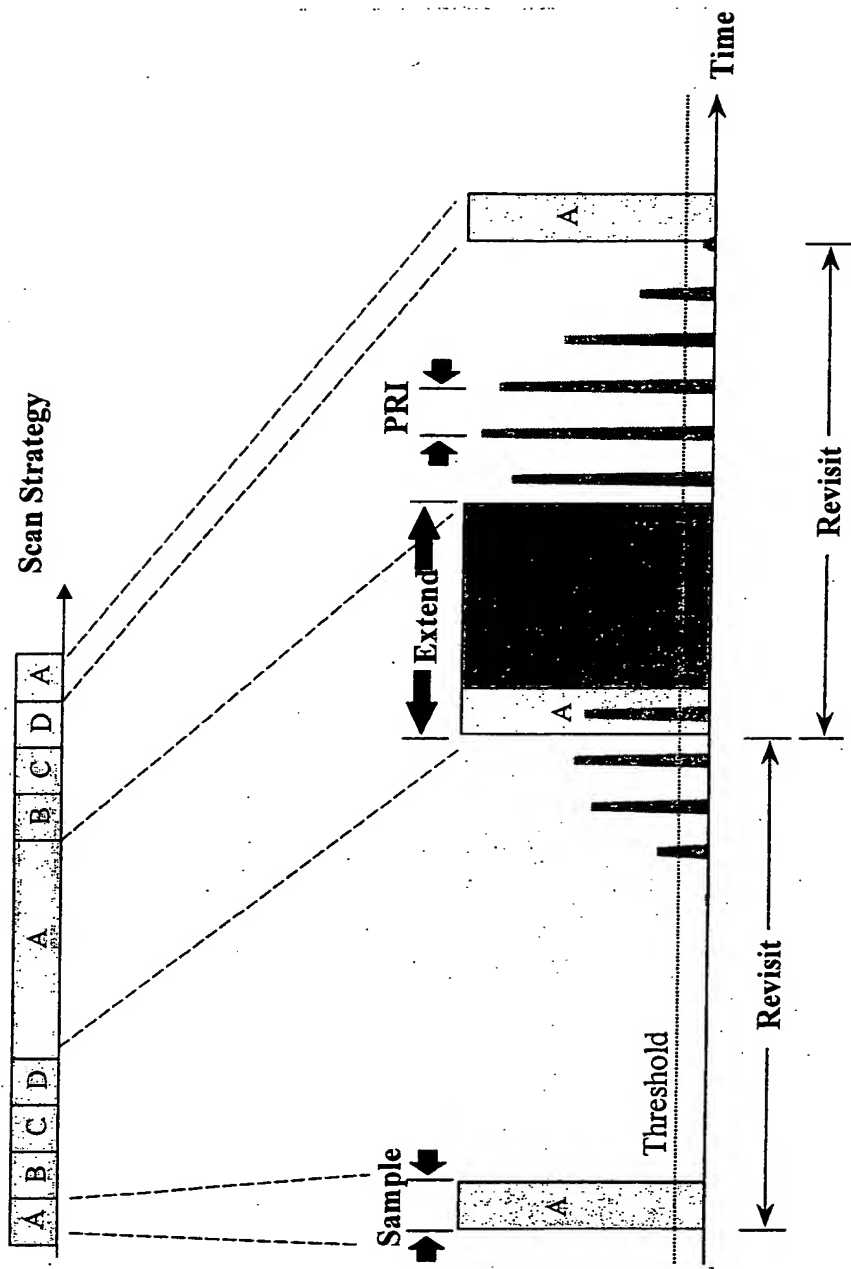


Figure 7

Figure 8A

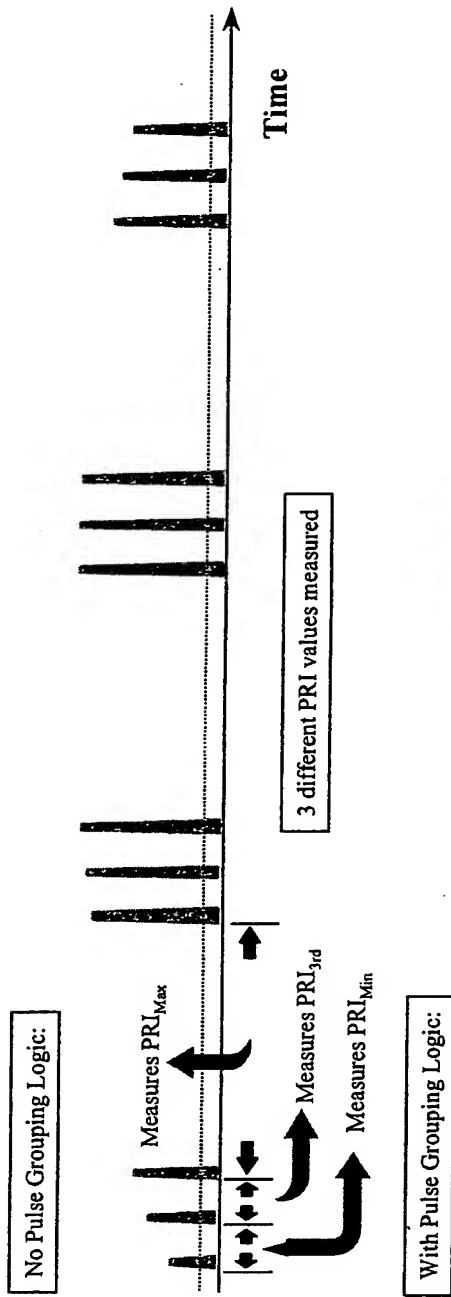
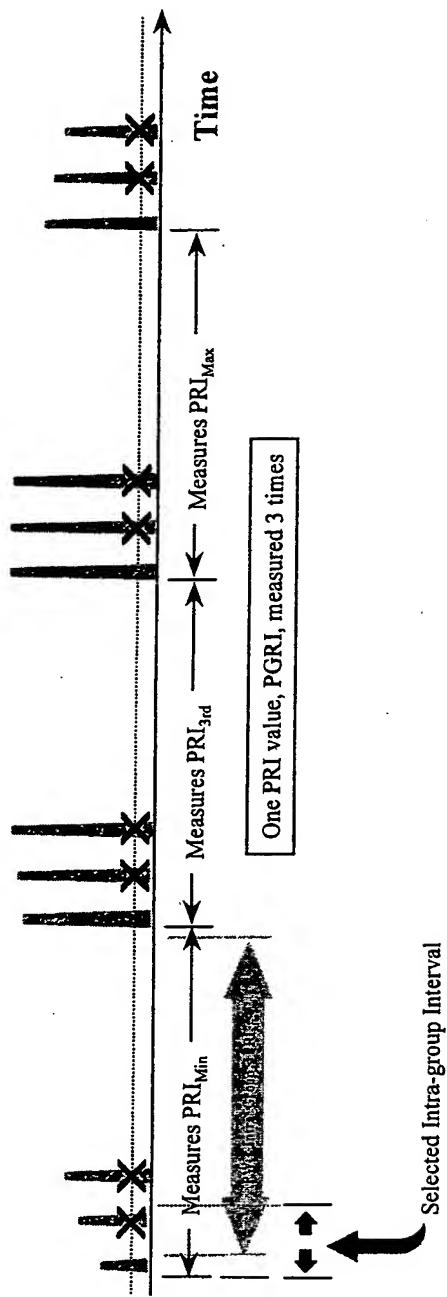


Figure 8B



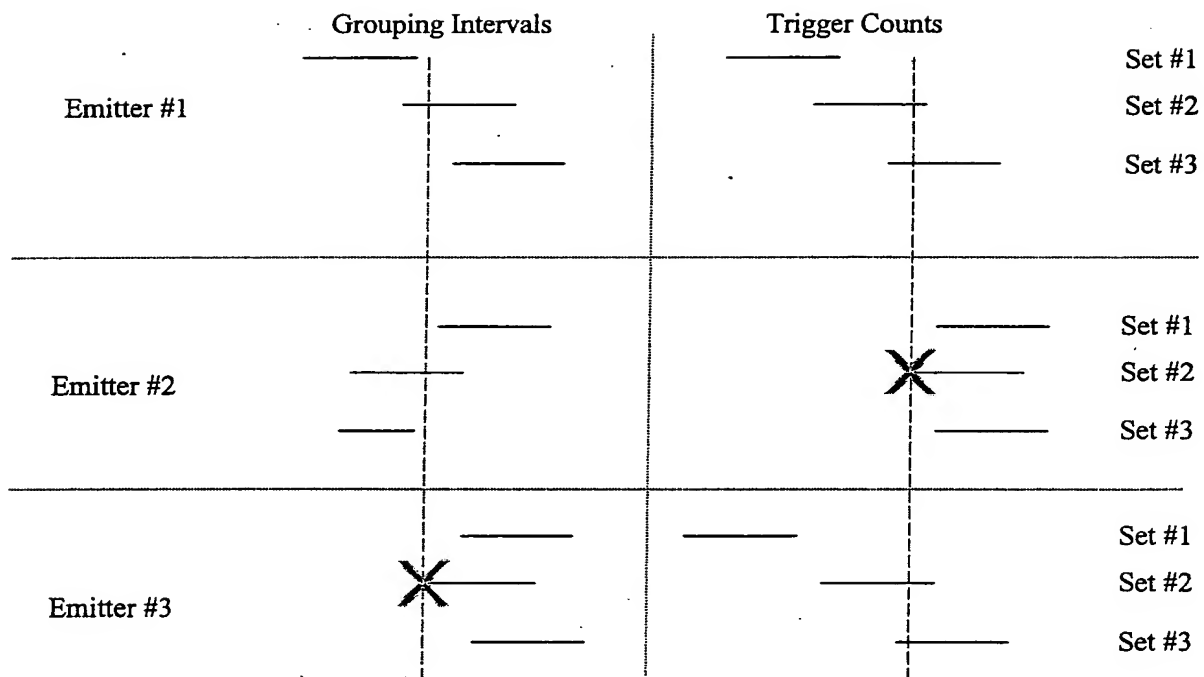
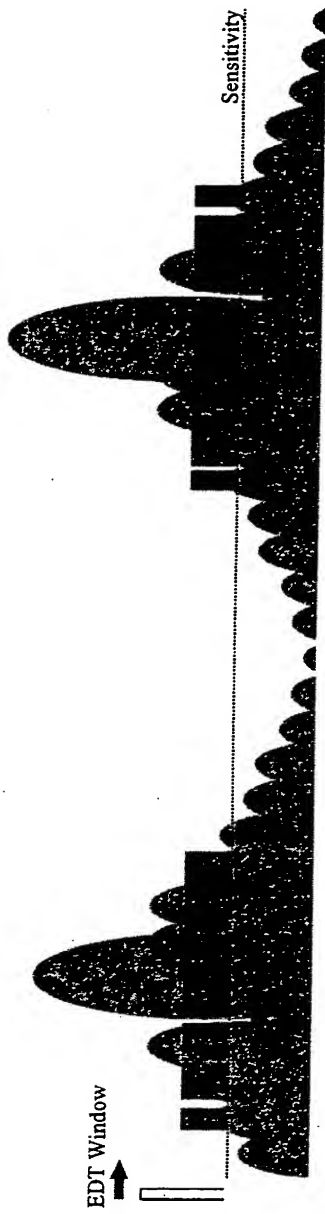


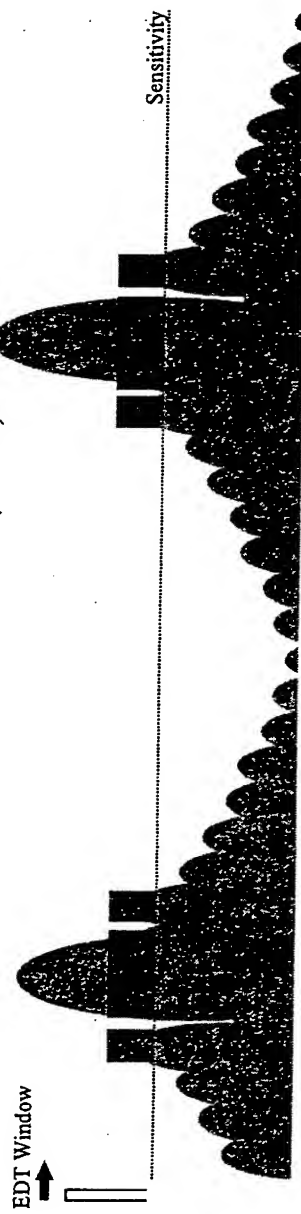
FIGURE 9

Figure 104



Discrete Illuminations (TIBS)

Figure 108



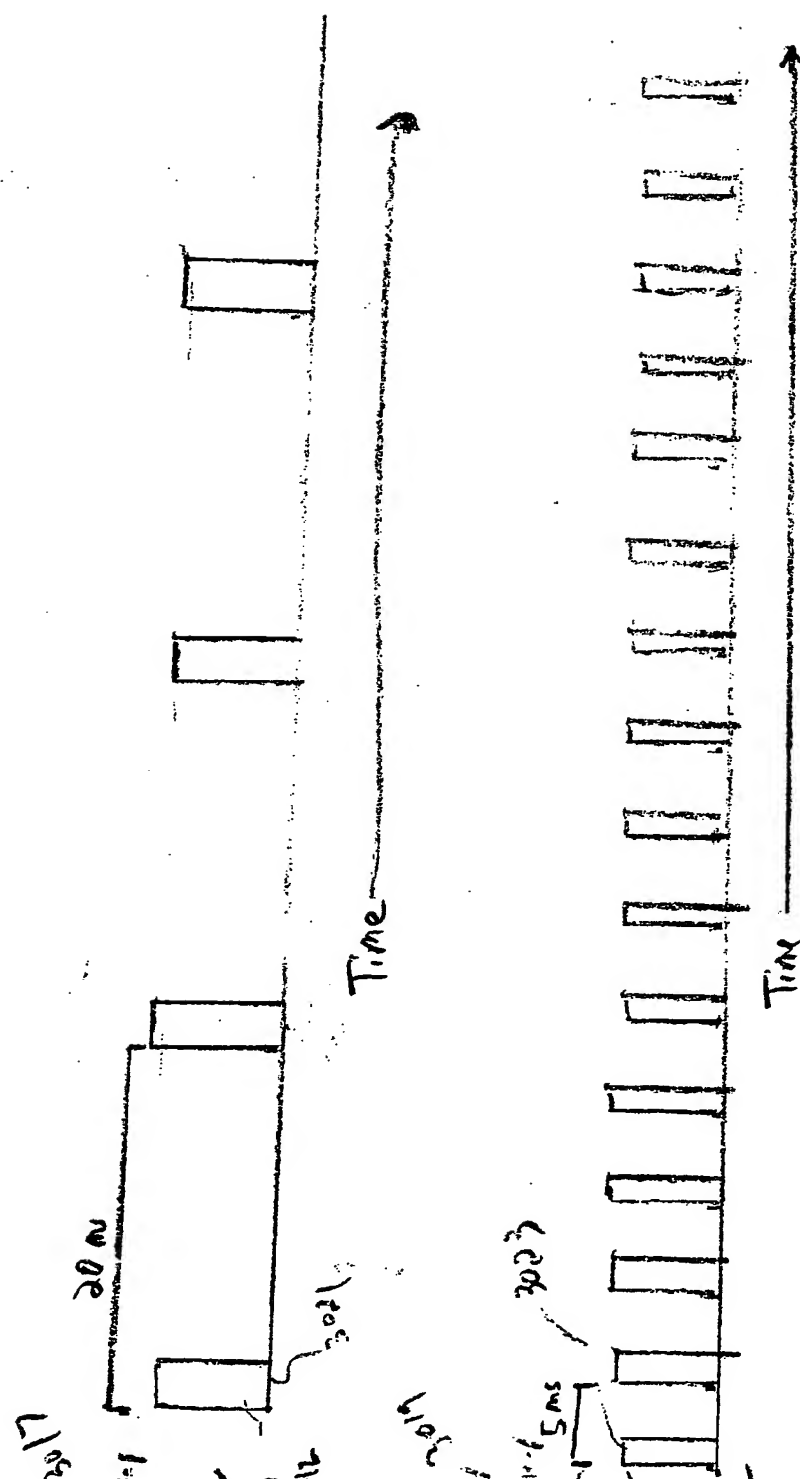
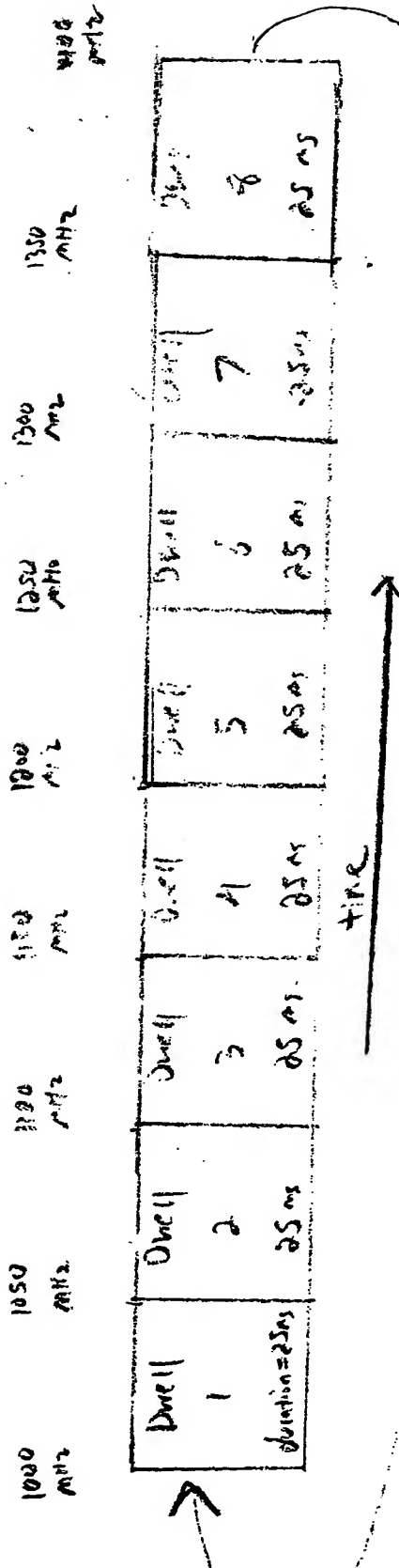
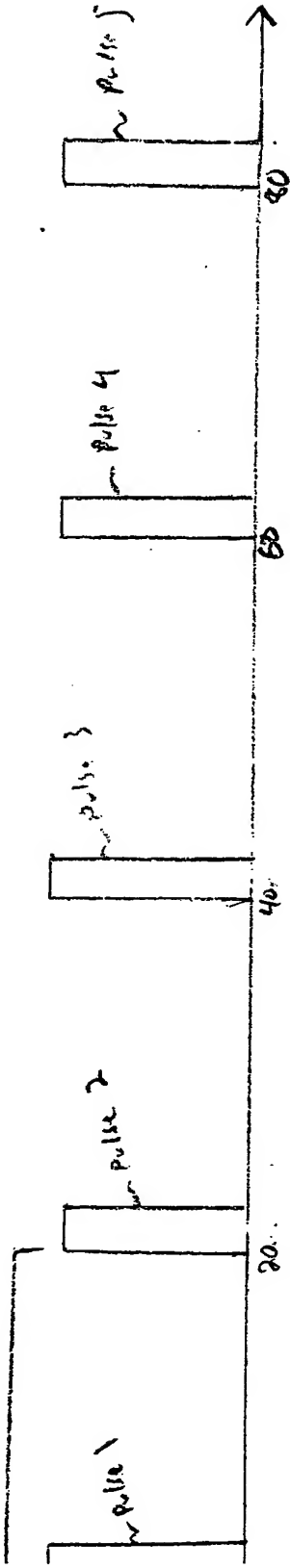
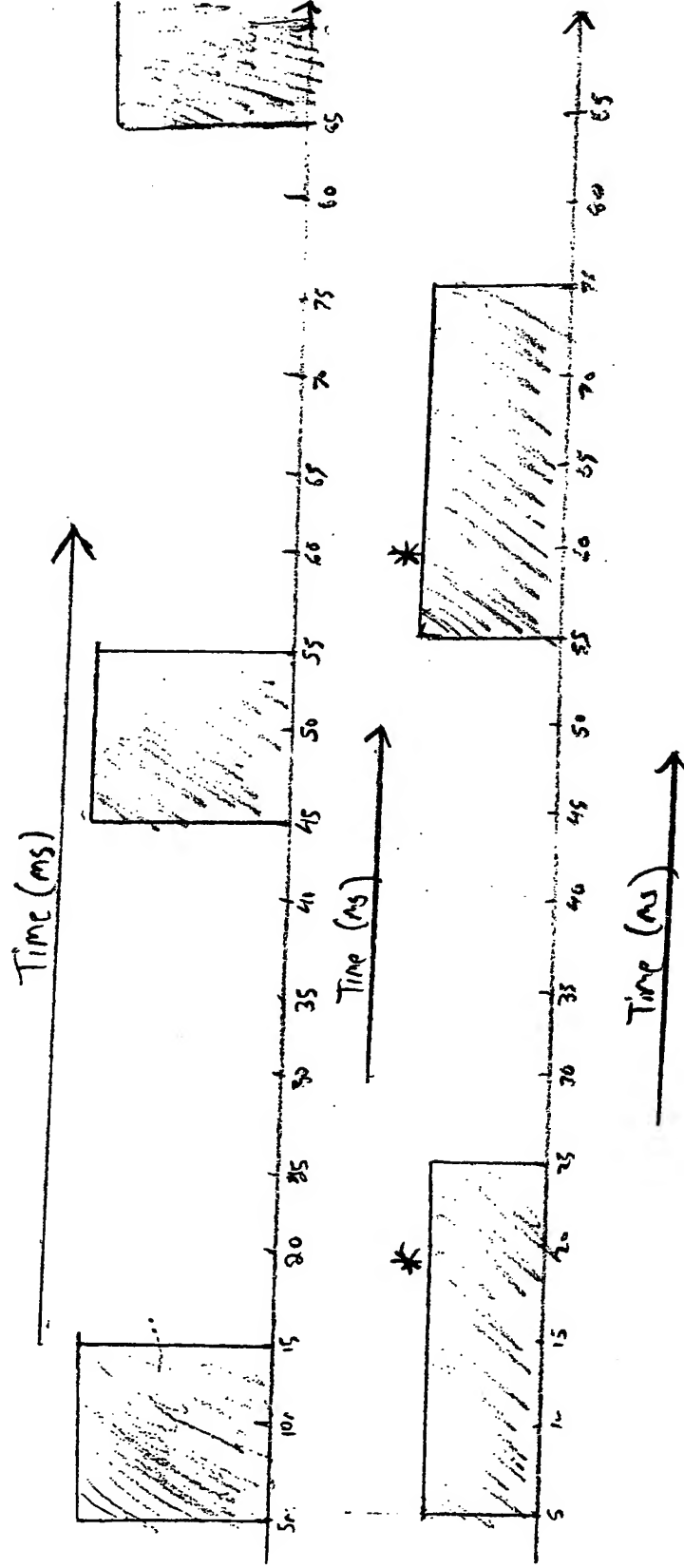


Figure 11

PRI = 20 ns



Emitter 3109



Solution 1

Drill Duration = 10 ns

Revolving Time = 40 ns

Solution 2

Drill Duration = 20 ns

Revolving Time = 50 ns

Figure 12

4000

Emitter NAME	Operating Mode 250 MHz IF 15 MHz VSW	RF min (MHz)	RF max (MHz)	MDT (ms)
E1	RV T 100 ns	RV T 650 ns	1000	1300
E2	RV T 100 ns	RV T 780 ns	1220	1350
E3	RV T 110 ns	RV T 330 ns	1510	1810
E4	RV T 130 ns	RV T 390 ns	1730	1860

Figure B

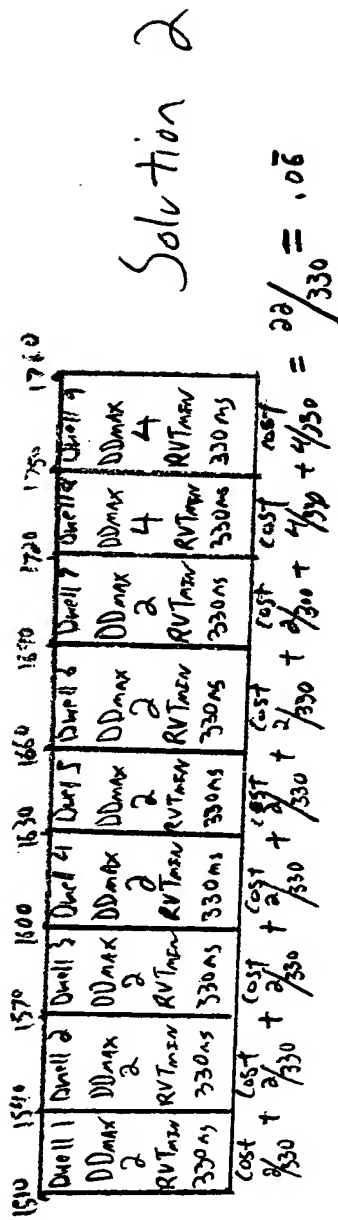
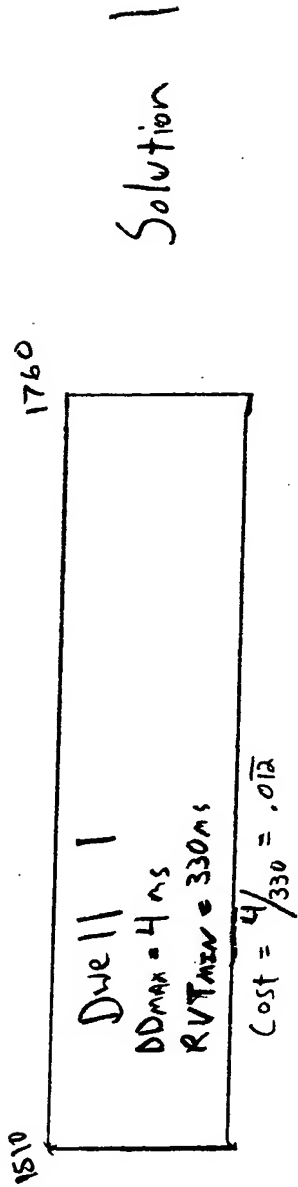


Figure 14B

Figure 15

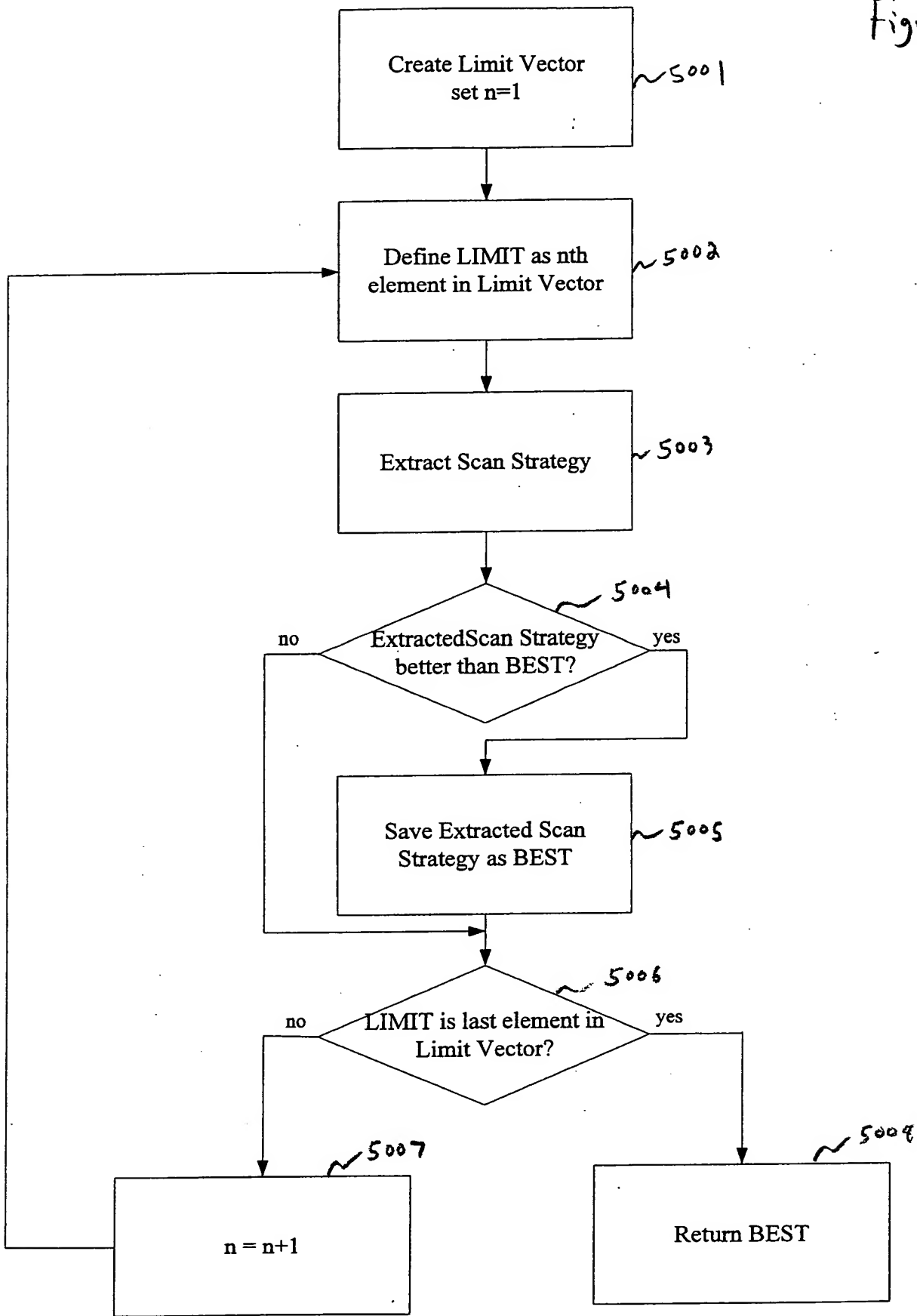
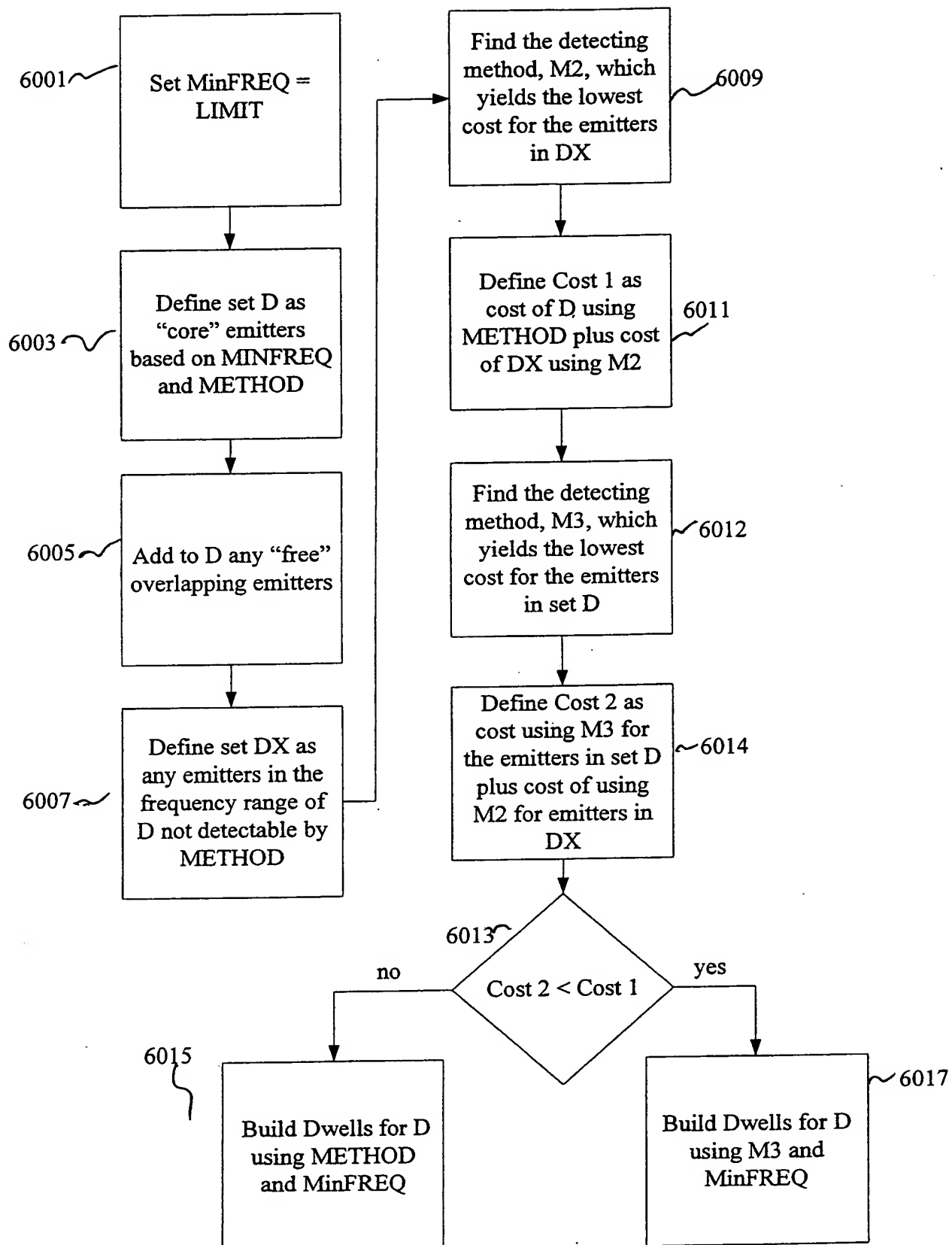


Figure 16



Name	RF Min	RF Max
E1	1100	1200
E2	1150	1250

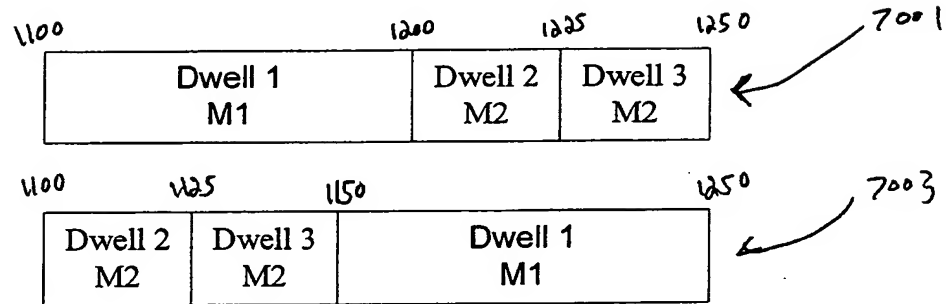
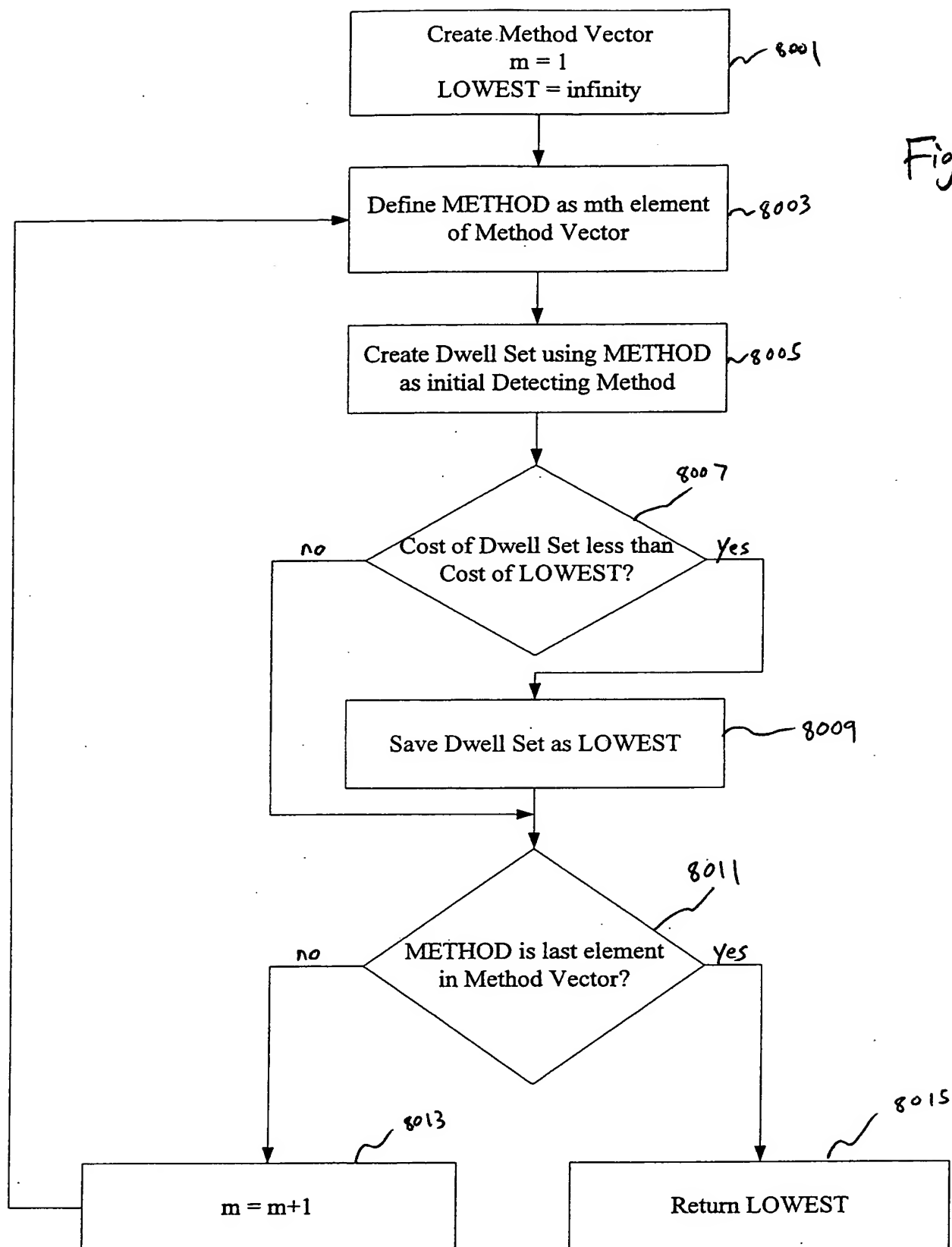


Figure 17

Figure 18



Emitter	Dwell Duration (ms)	Revisit Time (ms)
Emitter 1	1	500
Emitter 2	2	1200

Figure 19

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

Figure 20

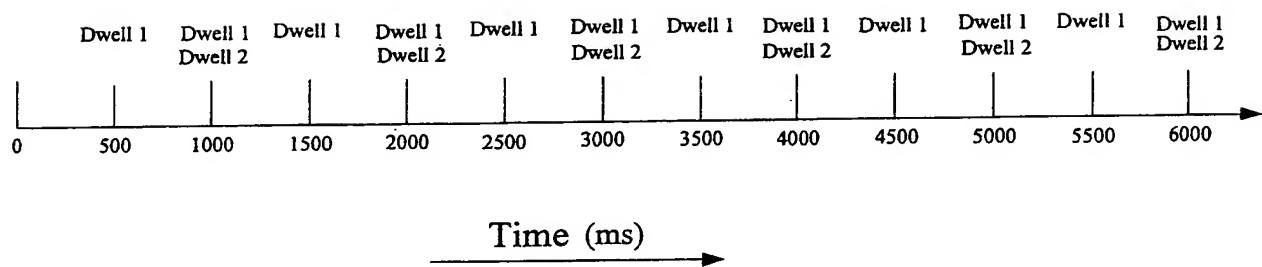


Figure 21

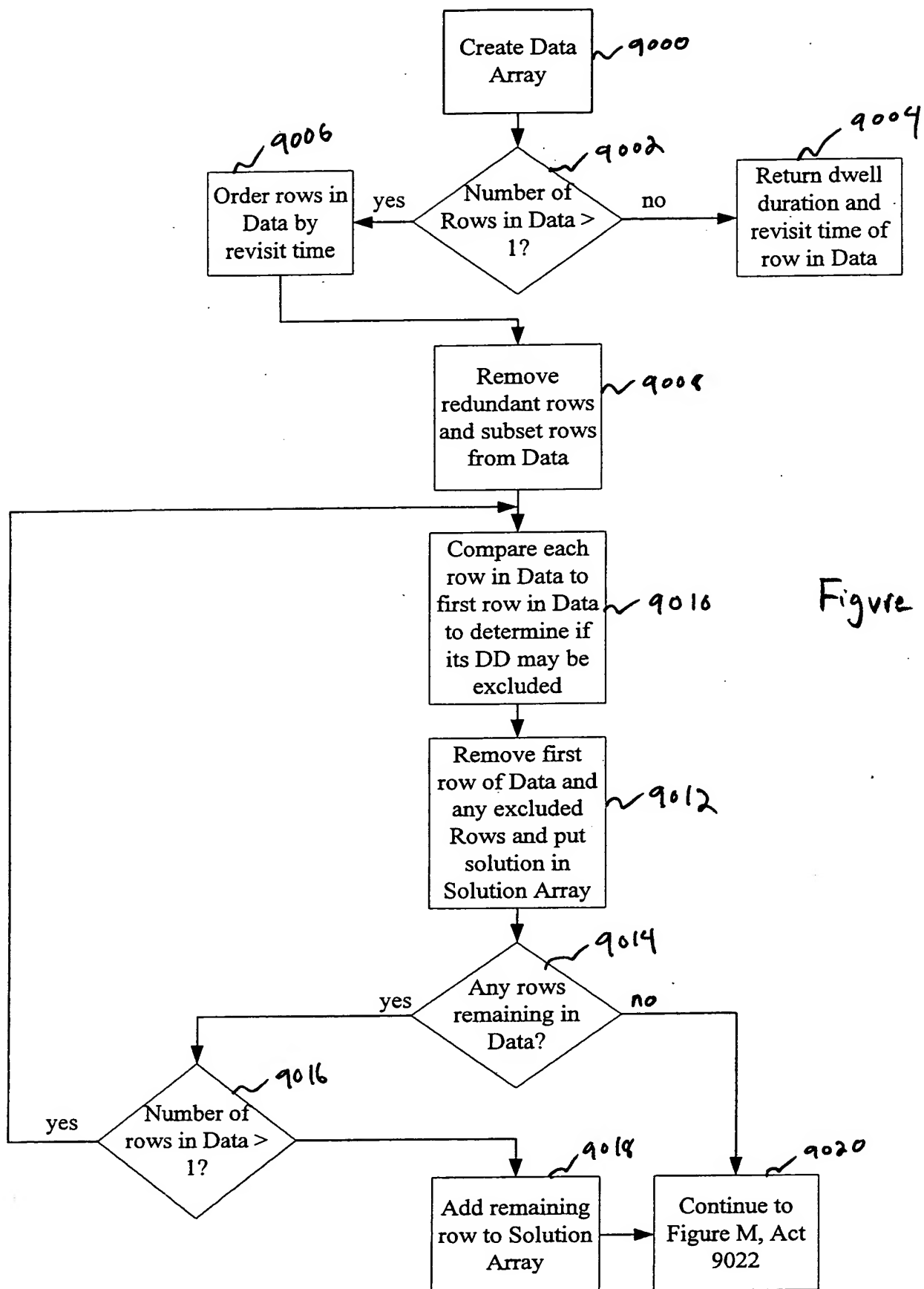


Figure 22

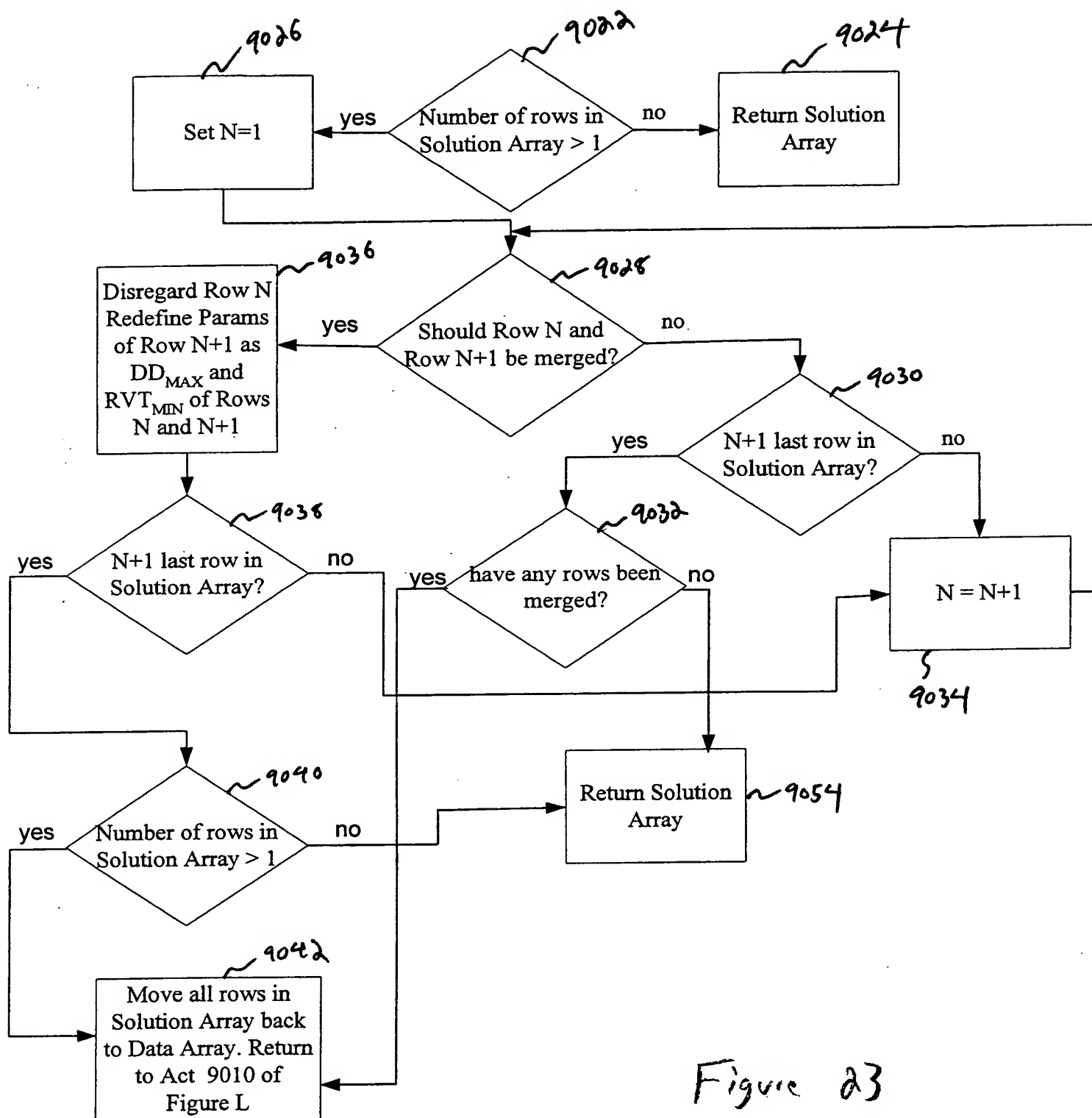


Figure 23

9044

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000

Figure 24A

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3	19	2000
3.05	17	2868

9048
9049
9050

Figure 24B

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
3	19	2000
3.05	17	2868

9051
9052

Figure 24C

9044

Data		
MDT	EDT	RVT
2	9	700
2.3	11	800

9046

Solution		
MDT	EDT	RVT
1	19	500

Figure 24D

9044

Data		
MDT	EDT	RVT

9046

Solution		
MDT	EDT	RVT
1	19	500
2	11	700

Figure 24E

9046

Solution		
MDT	EDT	RVT
1	19	500
2	11	700

Figure 24F

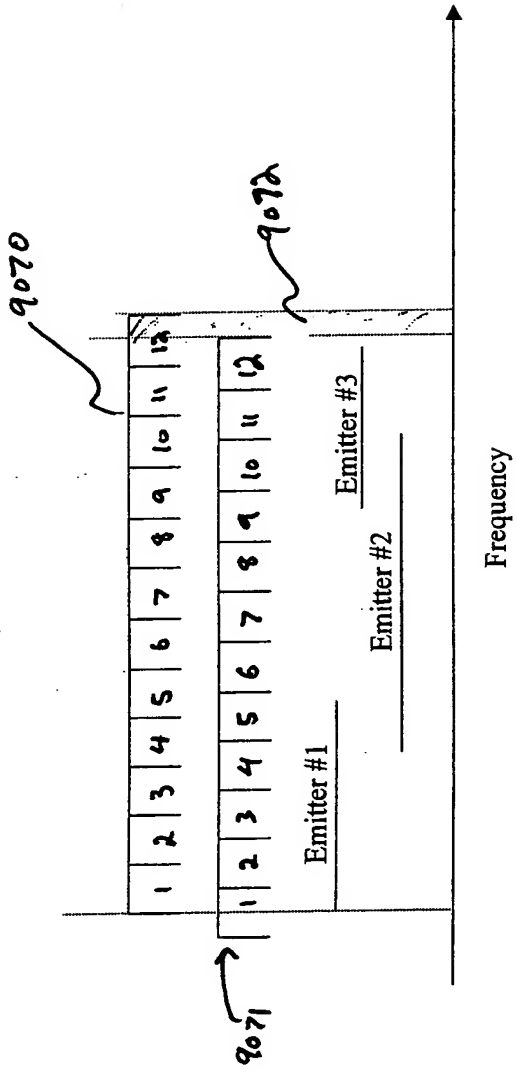


Figure 25

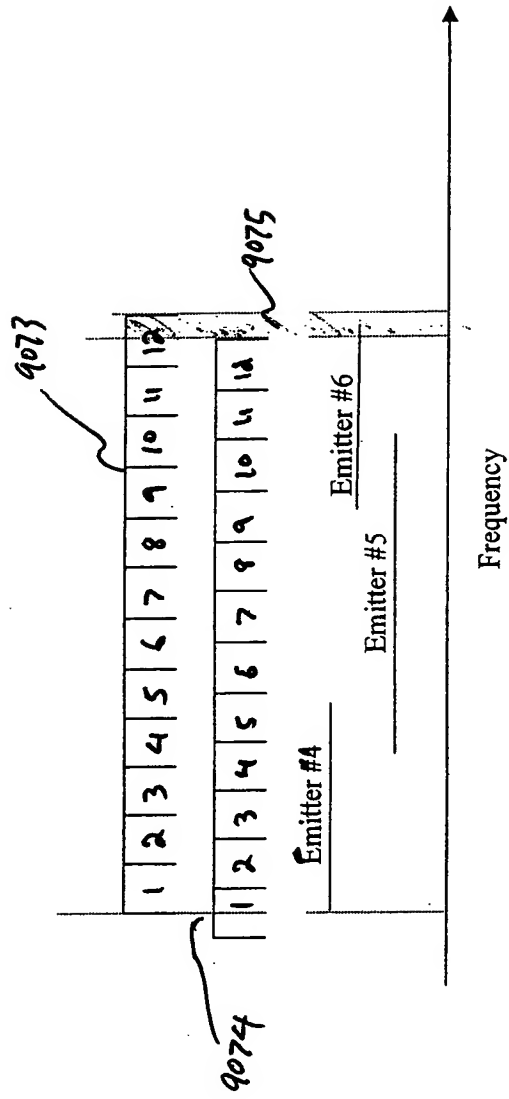


Figure 26

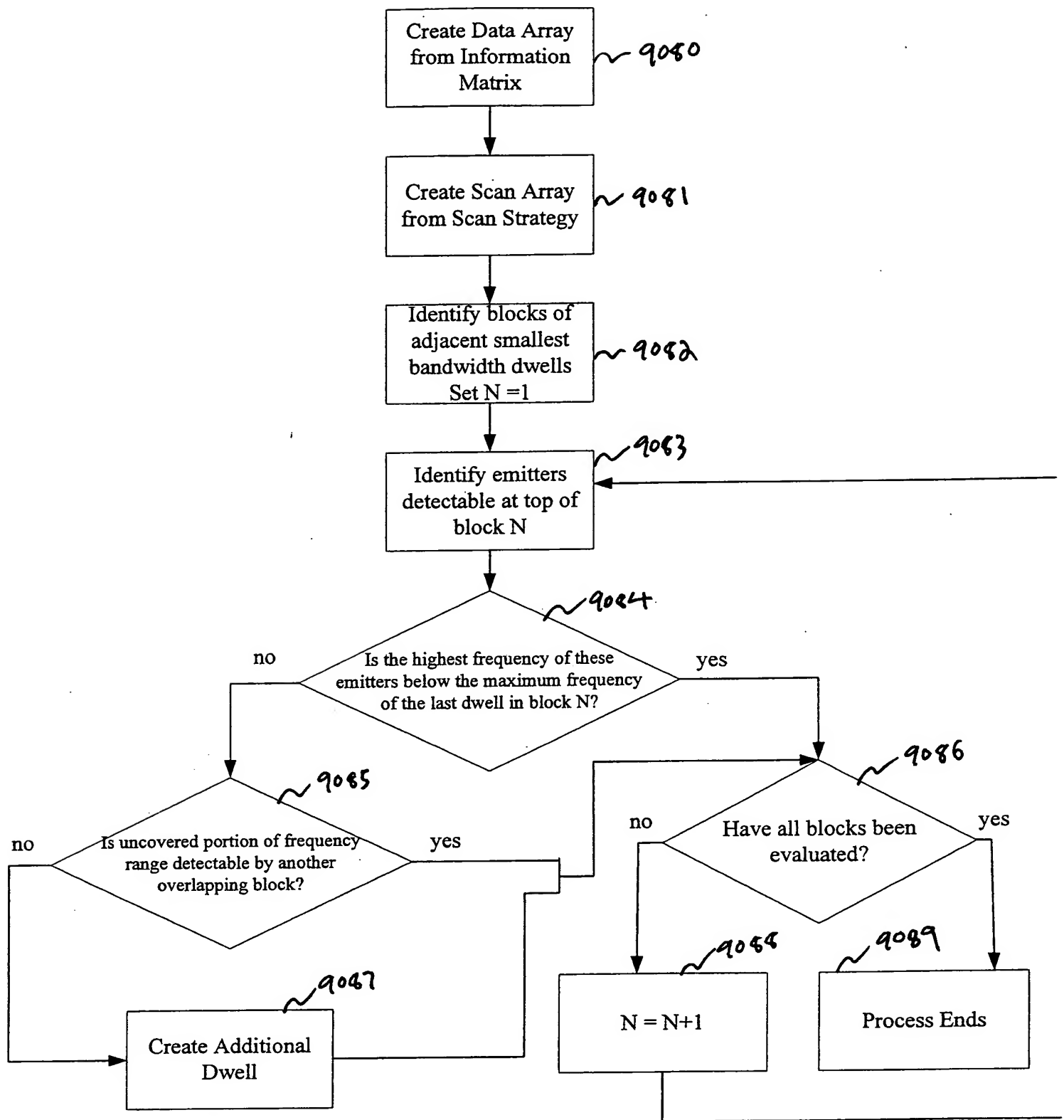


Figure 27

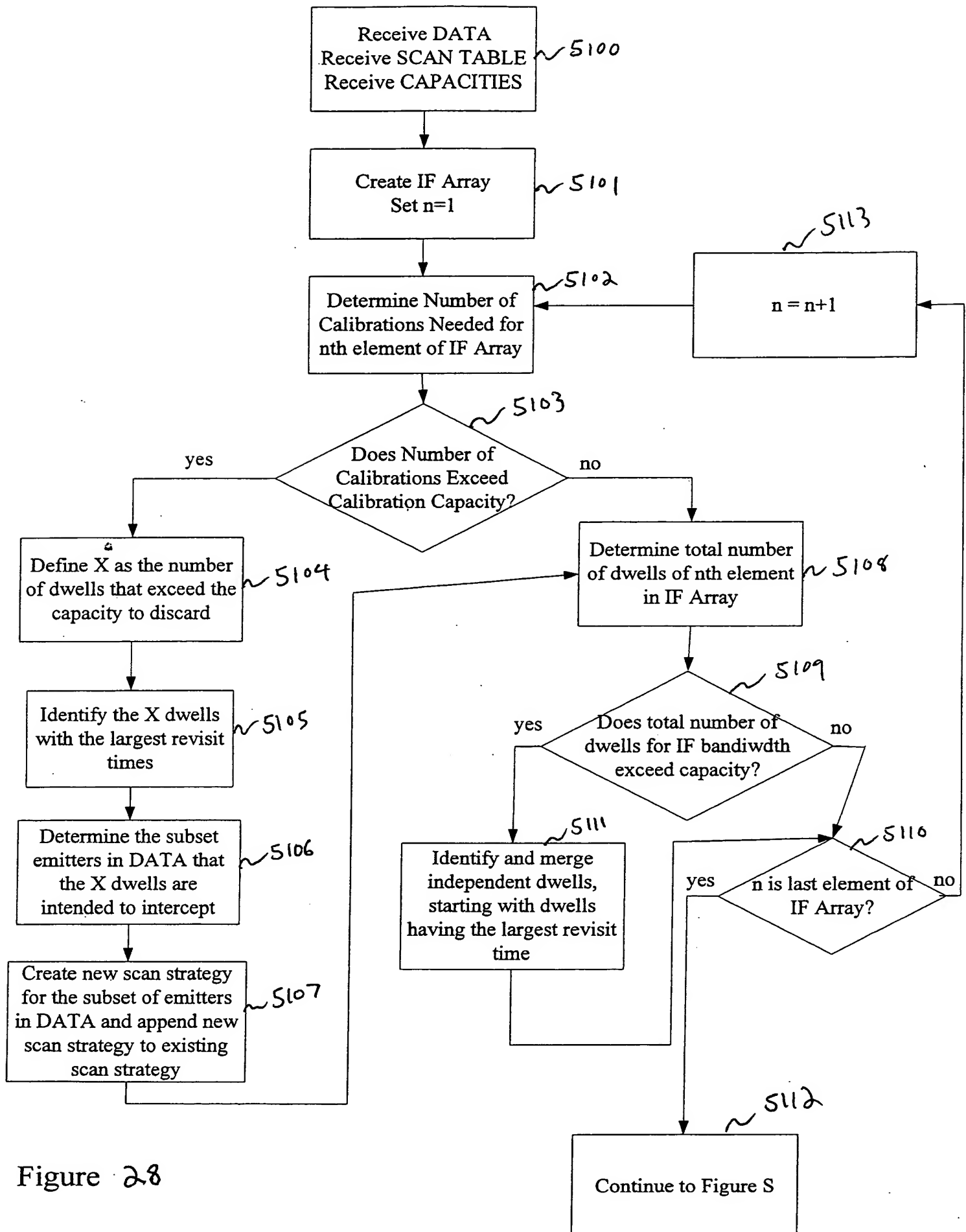


Figure 28

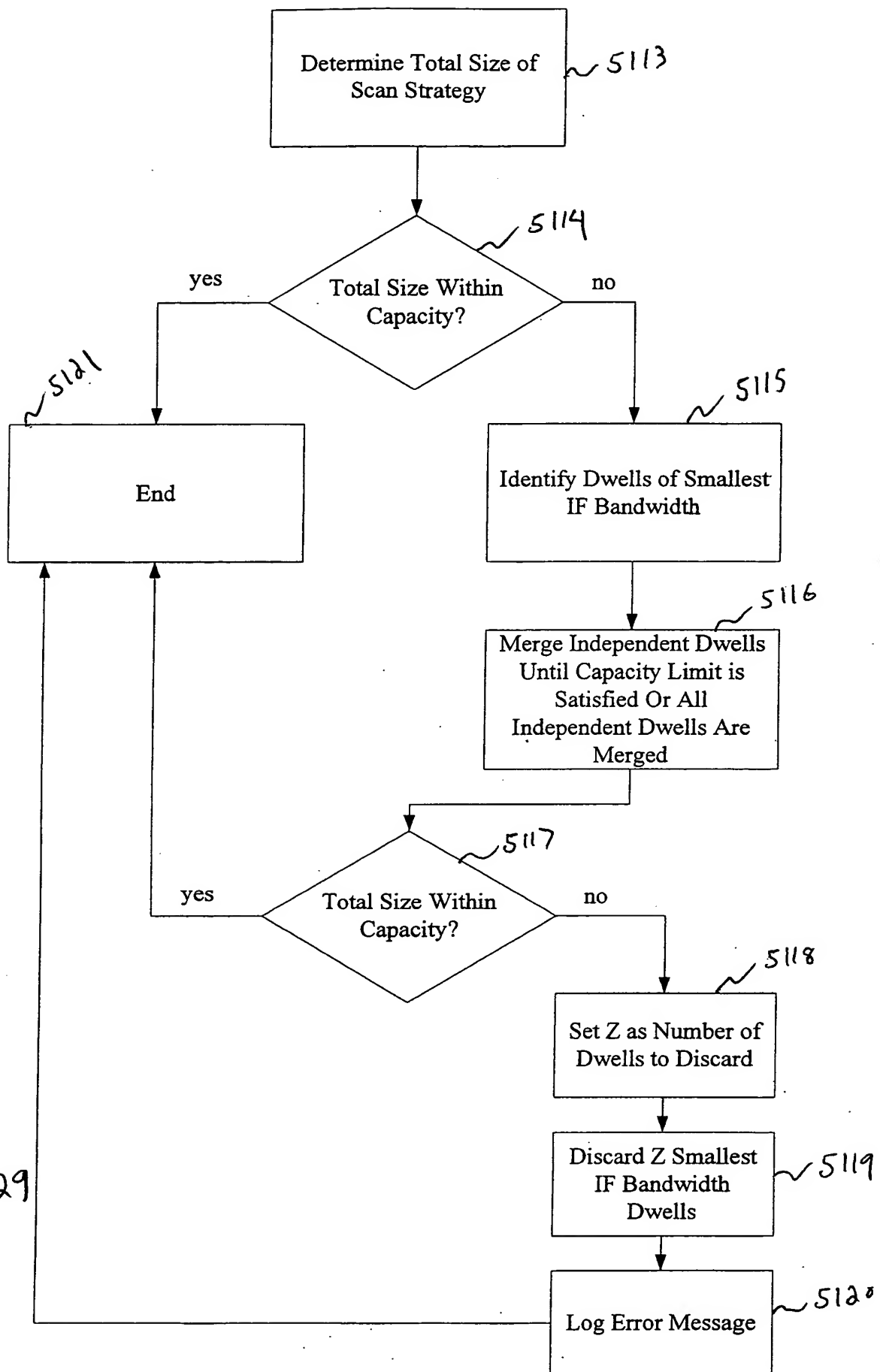


Figure 29

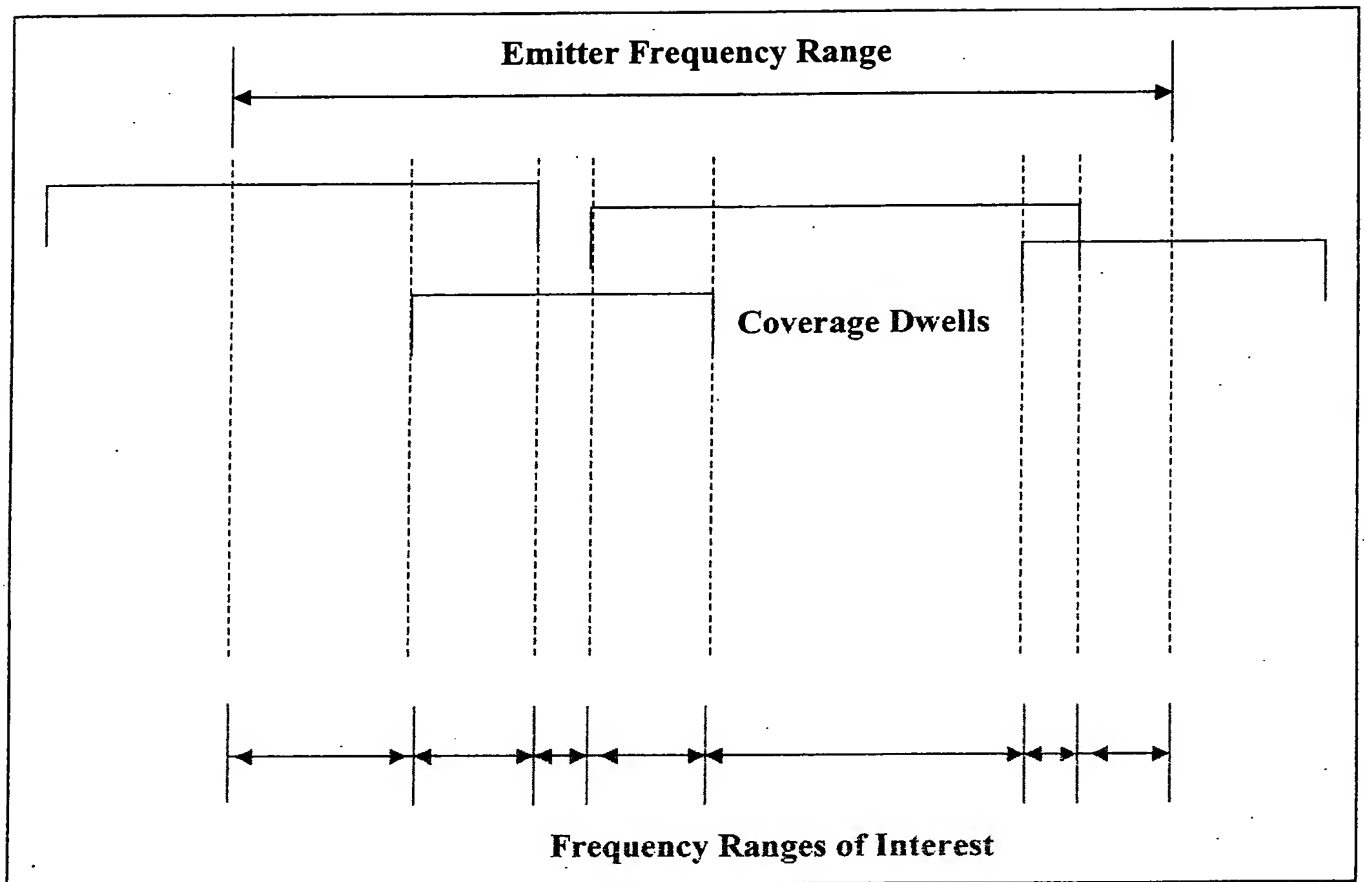


Figure 30

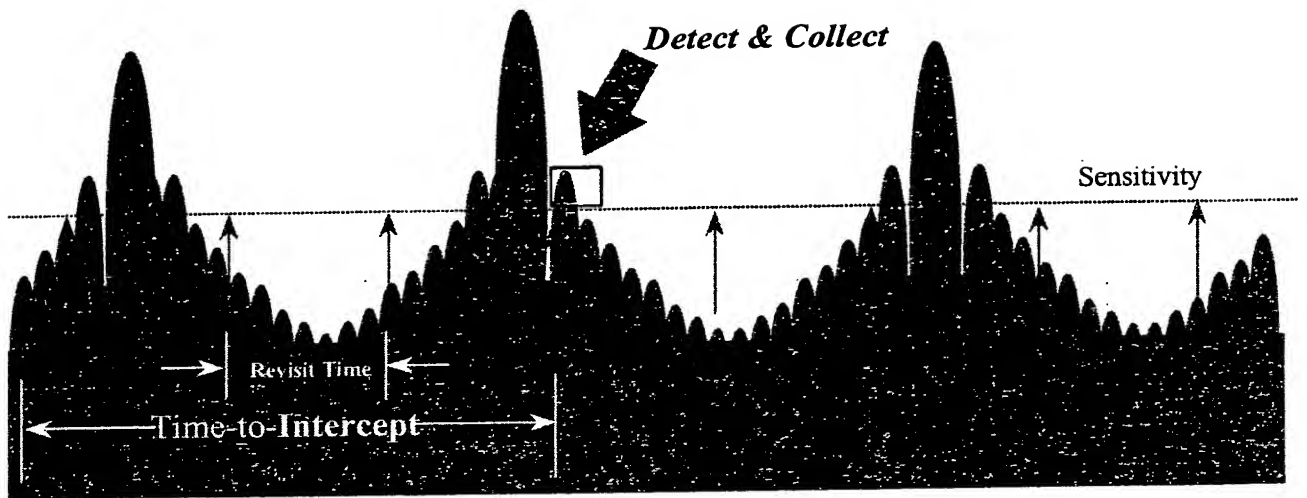


Figure 31

